

Aron Teh



 aronteh.com  aronteh  Ellipsoul  aronteh.chess@gmail.com

Professional Experience

Stripe

Mar 2024 – present | Dublin, Ireland

Software Engineer

- Extended integrated pricing structure to support Klarna custom pricing for *multiple financing periods*  .
 - Coordinated between engineering, product and pricing teams, coding across **Ruby** and **Java** codebases.
 - Post-launch, **identified** inefficiencies and shortfalls in Stripe's existing pricing systems, kickstarting cross-team initiatives to minimise friction for future pricing evolution in Local Payment Methods.
- Built new **API** features for Stripe's Klarna Integration alongside Klarna's major version API upgrade.
 - Individually **scoped** and implemented a complex, nested Supplementary Purchase Data field, enabling Klarna to complete assertive risk assessments, minimising fraud and improving conversion.
 - Introduced support to correlate *purchase countries with payments*  , facilitating regulatory compliance.
- Organised** and **hosted** onsite knowledge sharing sessions for a team of newly onboarding Stripe engineers.
- Served on the interview committee. Wrote and provided guidance for new interview question creation.

Amazon

Nov 2022 – Feb 2024

Software Engineer

London, United Kingdom

- Implemented right-to-left language and layout functionality for Prime Video's **React** and **TypeScript** application. Developed the multi-direction navigation strategy handling user input logic, and the global application state consumed by all components. Scoped, planned and delegated tasks to other engineers.
- Designed and implemented performant **SolidJS** components to integrate seamlessly with native React.
- Migrated application metrics and monitoring from legacy system to a structured, predictable platform.
- Resolved customer-impacting high severity on-call **incidents**, using AWS **CloudWatch** and **Elasticsearch**.

THG

Sep 2021 – Oct 2022 | United Kingdom

Software Engineer


- Collaborated with UX designers to develop complex **Angular UIs**, used by 100 external clients.
- Developed and maintained a **GraphQL API** utilising Java, Gradle and Spring backend technologies.
- Created and owned the team's **documentation**, vastly improving new engineer onboarding experience.

Education

Imperial College London

2017 – 2021 | London, United Kingdom

MEng Aeronautical Engineering, 2:1 (69.6%)

- Master's Thesis  : Explored a parallel **Python** implementation and solution to the sparse conic optimisation problem, using the Alternating Direction Method of Multipliers.
- Modules: **High Performance Computing**, Mathematics, Numerical Analysis, Optimisation, Finance.


Technical Skills

HTML, CSS, JavaScript, TypeScript, Java, Python, Ruby, SQL, Git, REST, React (v18), Next.js, Angular, Firebase, Tailwind, MongoDB, Jest, JUnit, npm, Bash, Testing (Unit, Integrated, E2E), AWS, gRPC, Docker, Kubernetes, Continuous Integration, Continuous Deployment, GraphQL, Bazel, Flask

Languages

English (Native) | **Chinese** (Native) | **German** (Beginner) | **Cantonese** (Beginner)

Interests

Chess  (Youngest Malaysia National Chess Champion (2013); FIDE Master (Lifetime International Title); World Chess Olympiad Participant (Norway 2014); President of Imperial College London Chess Club (2018-2019), won 1st place in every competition, most club members in recent history; Private Teacher) |

Quantitative Finance | **Machine Learning**  | **Sports** (Swimming, Badminton) | **Music**